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NOTICE OF ALLOWANCE AND FEE(S) DUE

27388

7590

06/01/2010

Hildebrand, Christa Norris McLaughlin & Marcus PA 875 Third Avenue, 8th Floor New York, NY 10022

EXAMINER				
ZHOU, SHUBO				
ART UNIT	PAPER NUMBER			

1631

DATE MAILED: 06/01/2010

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/629,380	07/29/2003	Kirk Edward Vandezande	101384-22	6539

TITLE OF INVENTION: HIERARCHICAL OPTIMIZATION FOR PROCEDURAL EFFECTIVENESS IN DIAGNOSING MUTATIONS THAT RELATE TO DISEASE.

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$755	\$300	\$0	\$1055	09/01/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where ar in m

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address) 27388 7590 06/01/2010 Hildebrand, Christa Norris McLaughlin & Marcus PA 875 Third Avenue, 8th Floor			Not Fee pap	otification of maintenance fees will be mailed to the current correspondence address g a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" f Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, mu			domestic mailings of the
			have its own certificate of mailing or transmission. Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being depos States Postal Service with sufficient postage for first class addressed to the Mail Stop ISSUE FEE address above, transmitted to the USPTO (571) 273-2885, on the date indi-			nission deposited with the United class mail in an envelope above, or being facsimile	
New York, NY	10022						(Depositor's name)
							(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR		ATTORNE	EY DOCKET NO.	CONFIRMATION NO.
10/629,380	07/29/2003	•	Kirk Edward Vandezande	,	10)1384-22	6539
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ZHOU,	SHUBO	1631	702-190000				
FR 1.363). Change of corresp Address form PTO/SI "Fee Address" ind PTO/SB/47; Rev 03-0 Number is required. ASSIGNEE NAME A PLEASE NOTE: Unl	ND RESIDENCE DATA less an assignee is identi h in 37 CFR 3.11. Comp	nge of Correspondence Indication form ed. Use of a Customer A TO BE PRINTED ON This ified below, no assignee	2. For printing on the p (1) the names of up to or agents OR, alternati (2) the name of a sing registered attorney or 2 registered patent atte listed, no name will be THE PATENT (print or ty data will appear on the p T a substitute for filing an (B) RESIDENCE: (CITY	o 3 registered patent vely, le firm (having as a agent) and the name rmeys or agents. If r printed.	member a es of up to no name is	2	cument has been filed for
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a. Applicant claim	tus (from status indicated is SMALL ENTITY statu	is. See 37 CFR 1.27.	☐ b. Applicant is no lon	ger claiming SMAL	L ENTIT	Y status. See 37 CF	
OTE: The Issue Fee an iterest as shown by the i	d Publication Fee (if requeecords of the United Sta	uired) will not be accepted tes Patent and Trademark	d from anyone other than to Office.	the applicant; a regis	stered attor	rney or agent; or the	e assignee or other party in
Authorized Signature				Date			
Typed or printed name				-			
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Tl submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any commence of the completed application form to the USPTO. Time will vary depending upon the individual case. Any commence of the chief information of the completed application form to the USPTO. Time will vary depending upon the individual case. Any commence of the chief information of the completed application form to the USPTO. Time will vary depending upon the individual case. Any commence of the chief information of the completed application form to the USPTO. Time will vary depending upon the individual case. Any commence of the chief information of the case. Any commence of the chief information of the chief information of the chief information of the chief information unless it displays a valid OMB control number.



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27388 7.	590 06/01/2010		EXAM	IINER
Hildebrand, Christa		ZHOU,	SHUBO	
Norris McLaughlin			ART UNIT	PAPER NUMBER
875 Third Avenue, 8th Floor New York, NY 10022		1631 DATE MAILED: 06/01/201	0	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 72 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 72 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)
	10/629,380	VANDEZANDE, KIRK EDWARD
Notice of Allowability	Examiner	Art Unit
	SULIDO (Joa) 7UOLI	1621
	SHUBO (Joe) ZHOU	1631
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in) or other appropriate commu IGHTS. This application is so	this application. If not included nication will be mailed in due course. THIS
1. This communication is responsive to <u>12/29/09</u> .		
2. The allowed claim(s) is/are 1,2 and 4-11.		
 3. Acknowledgment is made of a claim for foreign priority u a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority do 	e been received. e been received in Application	n No
International Bureau (PCT Rule 17.2(a)).		
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		a reply complying with the requirements
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which giv		
5. CORRECTED DRAWINGS (as "replacement sheets") must	st be submitted.	
(a) I including changes required by the Notice of Draftspers	son's Patent Drawing Review	(PTO-948) attached
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date	e.	
(b) ☐ including changes required by the attached Examiner' Paper No./Mail Date	s Amendment / Comment or	in the Office action of
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the		
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT		
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5. □ Notice of Inf	ormal Patent Application
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)		mmary (PTO-413),
 Information Disclosure Statements (PTO/SB/08), 	Paper No./N	Mail Date Amendment/Comment
Paper No./Mail Date		
4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	8.	Statement of Reasons for Allowance
/SHURO (log) 7HOU!	9. L. Other	•
/SHUBO (Joe) ZHOU/ Primary Examiner, Art Unit 1631		

Art Unit: 1631

Examiner's Statement and Comment

Examiner's Statement and Comment

The amendment to the claims filed on 12/29/09 is acknowledged. In the claim listing presented, while it is noted that the phrase "to a user" in the step d) of claim 4 is underlined, usually used to indicate limitations newly added, the phrase appears to have been already added in the amendment filed 7/28/09. The amendment filed 12/29/09 has been entered nonetheless.

The replacement drawing for Figs. 1, 2, 3, and 5 filed on 12/29/09 is acknowledged and has been accepted.

Consequently, and in view of the amendments, the objections to the claims and the drawings set forth in the previous Office action have been widrawn.

Claims 1-2 and 4-11 are allowed.

Inquiries

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shubo (Joe) Zhou, whose telephone number is 571-272-0724. The examiner can normally be reached Monday-Friday from 8 A.M. to 4 P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marjorie Moran, can be reached on 571-272-0720. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Patent applicants with problems or questions regarding electronic images that can be viewed in the Patent Application Information Retrieval system (PAIR) can now contact the USPTO's Patent Electronic Business Center (Patent EBC) for assistance. Representatives are available to answer your questions daily from 6 am to midnight (EST). The toll free number is (866) 217-9197. When calling please have your application serial or patent number, the type of document you are having an image problem with, the number of pages and the specific nature of the problem. The Patent Electronic Business Center will notify applicants of the resolution of the problem within 5-7 business days. Applicants can also check PAIR to confirm that the problem has been corrected. The USPTO's Patent Electronic Business Center is a complete service center supporting all patent business on the Internet. The USPTO's PAIR system provides

Application/Control Number: 10/629,380 Page 3

Art Unit: 1631

Internet-based access to patent application status and history information. It also enables applicants to view the scanned images of their own application file folder(s) as well as general patent information available to the public. For all other customer support, please call the USPTO Call Center (UCC) at 800-786-9199.

/Shubo Zhou/

Shubo (Joe) Zhou, Ph.D. Primary Examiner, Art Unit 1631 571-272-0724